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CALIFORNIA REGIONAL WATER QUALITY CONTROL  
BOARD  
SAN DIEGO REGION  
(SDRWQCB)

**SUPPLEMENTAL ENVIRONMENTAL PROJECT APPLICATION FORM**

Project Requested by Lakeside's River Park Conservancy

Name of Project Restoration Kit

Date of Request May 9, 2006 2005

Point of Contact Robin Rierdan

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WATER QUALITY  
CONTROL BOARD

Project Summary: Lakeside's River Park Conservancy in conjunction with El Capitan High School Key Club and the Advanced Placement Environmental Science Class organized a river clean up as an impromptu idea at the end of the school year. We had over 20 people participate and we didn't have enough clean up devices for them. They filled a gigantic dumpster in 4 hours and we only collected 25% of the trash that was in the riverbed. We have a tremendous pent up demand by the community to 'do something' to help the river and we believe we have just tapped the tip of that need in the community. We would like to set up quarterly or monthly clean-ups with various groups and with the general public. We need the clean up tools to make the process easy for the people who are going to be volunteering their time.

Additionally we have been employing the California Division of Forestry Fire Crews to help with the Arundo removal process. We would like to use these crews for weed whacking and for spraying as well. We would also like to develop a citizen's invasives swat team who can go through the river bed multiple times a year, with chainsaws, weed whackers and sprayers in hand to take care of any new infestations of invasive species once the restoration has been planted.

**Total Life Cycle Cost for the Project:**

Project Overhead/Management	\$5,646 <sup>1</sup>
Design/Consultation	\$0

<sup>1</sup> This is a 20% rate for project management. We have found that in purchasing items, if one is looking for the best quality equipment for the best possible price, it always takes more time that anticipated.

Construction/Implementation	\$28,500
Long Term Maintenance/Oversight (Repair and Replacement Fund)	\$5,000
<b>Total Project Cost</b>	<b>\$38,876</b>

Watershed/Water Body/Location for Project (attach maps)  
San Diego River Watershed WATERBODY/WATERSHED: 18070304, GPS  
COORDINATES: N 32° 51'22 W 116° 56'24

**Project Proposed Start Date and Time Line**

The project can begin as soon as we are able to secure funding. Full implementation will take about a year in total. That includes three months researching the most cost effective tools and equipment, another three months ordering the items from vendors and creating an inventory registry, another 3 months preparing for a Community Clean up Event and another three months to write the final report and get it to the Regional Board.

Organization Sponsoring Project (tax I.D. #) 91-2156461

Name of Project Manager: Robin Rierdan Phone 619 443-4770

Designated Project Trustee: Deborah Jones, Executive Director

Description of Project Trustee capability or commitments to ensure that the project will be complete.

The applicant is the recipient of several large Prop 13 grants. They have a very good track record with the San Diego Regional Board with regard to those grants. Please see Chiara Clemente for her assessment of the applicant's capability and commitment.

Statement of Project Trustee ability/authority to receive and disburse funds

As a 501(c) 3, the applicant is able to receive and disburse funds.

**DETAILED PROJECT INFORMATION**

**1. PROPOSAL DESCRIPTION**

The applicant proposes to purchase the following items to create a restoration kit. This kit will be used by the applicant for restoration and trash removal work along the San Diego River in Lakeside by both paid and volunteer participants.

<b><u>Restoration</u></b>	<b><u>Trash Removal</u></b>	<b><u>General</u></b>
Chainsaws including chainsaws, gas cans, extra chain, gloves, pant wraps	Burlap carriers	Gott Water Canisters

Backpack sprayers	Plastic buckets	Gloves
Protective suits, eye wear, pant guards, wading boots, chaps	Brooms, pitchforks, shovels, digging bar, post hole digger,	Wagon
Weed whackers and blades	Grappling Hooks and rope for hauling large items out of the water	Storage Equipment including: shelves, buckets, brackets, etc
Brush hog	Trash picker uppers and bag openers	Custom Trailer for hauling restoration kit
Chipper		Instructional Information, laminated
		Sign in Table
		Pop-up Canopy
		Chairs

## 2. PROBLEM STATEMENT

The reach of the San Diego River has been neglected for years. There have been 15 homeless camps living in this reach. These camps generate bacterial contamination as well as mass quantities of trash. We are working hard to remove these camps but it is an on-going problem. Additionally massive infestations of Arundo, Salt Cedar, Tree Tobacco, Castor Bean, Chrysanthemum as well as Star thistle choke the riparian corridor reducing its viability for threatened and endangered species as well as other beneficial uses.

## 3. HOW WILL THE PROJECT BENEFIT WATER QUALITY AND BENEFICIAL USES?

This project will support and enhance the San Diego River Basin Plans beneficial uses for this stretch of the river: Rec 1, Rec 2, WARM, COLD, WILD all of which are diminished or lost in this reach of the river. It is not safe to swim or fish in the sand pits on site due to water quality issues. The fisheries are hampered by low dissolved oxygen during the summer months. Native species are impacted by the presences of invasive plant species.

The project will take place in an area designated by the County of San Diego's Biological Mitigation Ordinance as having high conservation resource value. This ordinance is the County's implementation of the Multiple Species Conservation Plan. According to the Upper San Diego River Improvement Project Final Programmatic Environmental Impact Report the following sensitive biological resources occur or probably occur within the proposed the project area:

Federal Listed Species: Endangered: *Southwestern Willow Flycatcher, Least Bell's Vireo.* Special Concern: *San Diego Ambrosia, San Diego Golden Star, Osprey.*

Fully Protected: *White-tailed Kite*.

State Listed Species: Endangered: *Willow Flycatcher, Least Bells Vireo*.

Special Concern: *Osprey, Least Bittern, White-tailed Kite, Northern Harrier, Cooper's Hawk, Sharp-shinned Hawk, Yellow Warbler, Tri-colored Blackbird, Yellow-breasted Chat, Long-eared Owl*.

By maintaining the restoration of the area through the on-going removal of invasive species and trash, the project will support the restoration of the high quality natural riparian habitat, which is required to increase the low species diversity back to normal levels.

**SDRWOCB Targeted Projects for Planning, Assessment, Watershed Protection, and Nonpoint Source Implementation Grants**

Project	Description	Met in Project	Comments
#15	Prevent problems, before they occur	✓	Ensure that trash and other pollutants are removed in a timely manner. Reduce the attractiveness of this reach of the San Diego River to the homeless population
#16	Protect, restore, and maintain beneficial uses	✓	The beneficial uses for this segment of the river are compromised at this point in time by trash, and a river bed so choked with non natives as to make it virtually unusable for Rec 1 or 2, or Warm, COLD or WILD.
#17	Eradicate non-native invasive species	✓	Remove non native species that have invaded this reach of the San Diego River
#23	Restore native riparian habitat	✓	The removal of trash and the restoration and maintenance of riparian habitat will be facilitated by this project.
#24	Restore habitat for T&E species	✓	Maintaining the restoration of the area will allow for the re-colonization area by T&E species which are found up and downstream from the site.

#33	Prevent trash and other pollutants	✓	Cleaning up the homeless camps and the fishing debris will reduce levels of these pollutants.
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### 3. HOW WILL THE SUCCESS OF THIS PROJECT BE MEASURED?

The success of this project will be measured in the amount of trash removed from the site as measured in dumpster loads, the number of people who can be accommodated at a clean up or restoration event, and the number of events held per year. Areas of invasive vegetation removal will be documented through an existing photo monitoring program. Records will be kept of each of those items.

### 4. DETAILED WORK PLAN

Please include a detailed supplemental report of the proposal/project that includes the following:

- a. Scope of work (work to be performed)
- b. Budget
- c. Task descriptions
- d. Methods and materials
- e. Resource needs
- f. Regulatory issues (environmental reviews, permits, etc.)
- g. Schedule
- h. Work products and documents to be retained for records
- i. Other information about the proposed project that may be of interest to the SDRWQCB.

***I certify that the information provided in this application is an accurate and complete report of the costs, scope of work and expectations of this proposed project I am submitting to the SDRWQCB.***

***SIGNATURE*** \_\_\_\_\_ ***Date*** \_\_\_\_\_

**a) Scope of Work:**

The scope of work for this project is: to purchase the items listed in the budget in sufficient quantities to allow us sponsor a large community restoration and clean up effort several times a year. As simple as that may seem, it will take management, research and administration to successfully implement this project.

**b) Budget:**

<u>Items</u>	<u>Number Required</u>	<u>Costs</u>	<u>Research and Admin time</u>	<u>Total</u>
Chainsaws including chainsaws, gas cans, extra chain, gloves, pant wraps	10	\$8,000	\$1,600	\$9,600
Gott Water Containers	3	\$100		
Gloves	30 pair	\$330	\$66	\$396
Backpack sprayers	10	\$1000	\$200	\$1,200
Protective suits, eye wear, pant guards, wading boots, chaps	up to 20 of each	\$1800	\$360	\$2,160
Weed whackers(blades)	10	\$5000	\$1,000	\$6,000
Brush hog	1	\$500	\$100	\$600
Chipper	1	\$1500	\$300	\$1,800
Wagon	2	\$300	\$60	\$360
Burlap carriers	40	\$200	\$40	\$240
Plastic buckets	30	\$300	\$60	\$360
Brooms, pitchforks, shovels, digging bar, post hole digger,	10	\$1000	\$200	\$1,200
Storage Equipment including: shelves, buckets, brackets, etc	as needed	\$500	\$100	\$600
Custom Trailer for hauling restoration kit	1	\$6,000	\$1,200	\$7,200
Grappling Hooks and rope for hauling large items out of the water	4	\$200	\$40	\$240
Trash picker uppers and bag openers	30	\$1500	\$300	\$1,800
Instructional Information, laminated	10	\$100	\$20	\$120

Sign in Table	1	\$50	\$10	\$60
Pop-up Canopy	1	\$120	\$24	\$144
Chairs	2	\$27	\$5	\$32
Sinking fund for repairs and replacements		\$5000		\$5000
<b>Totals</b>		<b>\$33,500</b>	<b>\$5,646</b>	<b>\$38,876</b>

**Project Match/Leverage:** We anticipate having anywhere between 20 to 100 people at any one clean up event. They will generally be held between 8 and 12 AM on a weekend. Generally volunteer hours are calculated at a rate of \$16/hour. Consequently the project will produce between \$1280 to \$6,400 per event in labor match. Multiply that by quarterly clean-ups, the project will generate between \$5,120 and \$25,600 annually in volunteer contributions. The citizens invasive swat team would also be source of match. We anticipate 10 individuals participating in this event monthly. They would be trained and would be valued at \$25 per hour and would generate a labor match of \$12,000 annually. Combine that with 12 hours of staff prep work for each event at \$30/hr generates \$1440 annually in staff support.

**c) Tasks:**

1. Project Administration –
  - a) Set up project files and invoicing record
  - b) Quarterly Reports
2. Research – Research the items to be purchased, the criteria are: most reliable, most useful and most reliable of items which must be purchased
3. Purchase the items
4. Develop an inventory register
5. Community Clean-up – Hold first clean up or restoration event
6. Final Report - detailed inventory of items purchased and a short report on our first community clean up.

**d) Methods and Material:**

The restoration kit will allow for the use of volunteer and paid labor to be used in the restoration and maintenance of this reach of the San Diego River. Furthermore by having a collection of tools necessary it will reduce the contracting costs for paid labor.

**e) Resource needs:**

The applicant will supply the labor to organize these community events and any funds and administration needed to contract with paid labor.

**f) Regulatory issues (environmental reviews, permits, etc.)**

Large and on-going maintenance efforts may require a 1600 permit from the Department of Fish and Game.

**g) Schedule:**

<b>Task</b>	<b>Activity</b>	<b>End</b>
<b>1</b>	<b>Project Administration</b>	Contract start
1.a	Set up project files and invoicing record	On-going
1.b	Quarterly Reporting	Months 3,6,9
<b>2</b>	<b>Research items to be acquired</b>	Month 1-3
<b>3</b>	<b>Purchase the items</b>	Month 2-9
<b>4</b>	<b>Develop an inventory register</b>	Month 2-9
<b>5.</b>	<b>Community Clean-Event – Depending on season of the year</b>	Month 9 -11
<b>5.</b>	<b>Final Report</b>	Month 12
	Maintenance projects will be implemented on a quarterly schedule.	

**h) Work products and documents to be retained for records**

Work products will be retained for 3 years to facilitate the audit process. Items purchased will be stored in a locked cargo container on site. Photographic record and sign in sheets will be maintained to allow tracking and use of the restoration kit over time.

**i) Other information about the proposed project that may be of interest to the SDRWQCB.**

Please see the community outreach plan, maps and photographic information attached to this document.

### Community Outreach Plan

The success of this project is predicated on the ability to contact the public and other community-minded organizations to request the assistance and have them come to the event.

Our Community Outreach Plan is as follows:

<u>Timing</u>	<u>Activity</u>
<b>Annually</b>	<ul style="list-style-type: none"> <li>• Set yearly calendar for clean-ups</li> </ul>
<b>October Clean-up</b>	<ul style="list-style-type: none"> <li>• Publish those dates in Lakeside's River Park newsletter (published quarterly) as part of the calendaring</li> </ul>
<b>8 weeks before</b>	<ul style="list-style-type: none"> <li>• Contact community based organizations: Boy Scouts, Girl Scouts, Kiwanis, Rotarians, PTA's El Capitan Environmental Club, Fishing Clubs, Equestrian organizations, neighborhood and Mobile home and HOA's in Lakeside, so they can get them on their calendars and in their newsletters.</li> <li>• Place specific articles about the up coming clean up in our newsletter and on our website.</li> </ul>
<b>4 weeks before</b>	<ul style="list-style-type: none"> <li>• Place banners advertising the date and time of the clean up at well traveled intersections in the community.</li> </ul>
<b>2 weeks before</b>	<ul style="list-style-type: none"> <li>• Place articles or notices in the local papers</li> <li>• Send 4600 flyers home with the school children</li> <li>• Contact local restaurants and ask for donations of food as hospitality for volunteers.</li> </ul>
<b>Morning of the event 6AM</b>	<ul style="list-style-type: none"> <li>• Set up tables and canopies, have sign-in sheets, and permission slips for those under 18.</li> <li>• Organize equipment and set up teams to work in specific areas and/or doing specific tasks.</li> </ul>



**USDRIP Trails Master Plan**  
**2000 Color IR Aerial Photography**



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- PROJECT AERIAL MAP**
- Restoration Kit
  - Project Area
  - Site of Future Nature and Cultural Center
  - Proposed Trail
  - Lakeside's Historic Downtown

Restoration Kit - Lakeside's River Park Conservancy

